



REQUEST FOR PROPOSAL (RFP)

Fiber Optic Cabling Services

ADDENDUM #1

This addendum is intended to give additional information not previously provided in the above referenced RFP. Any information contained herein will be considered part of the RFP and as such can be used in the evaluation of the proposal responses.

Building Site Survey – Friday March 5, 2004 at 1:00pm.

In the interest of fairness to vendors the building will be open for survey by those vendors who attended the Pre Bid Conference, Friday March 5th at 1:00pm. Vendors who did not attend the meeting will not be allowed to participate; vendors must confirm their name on the existing sign in sheet before entering the building. Vendors may survey the building as needed however no questions or clarifications to existing information will be allowed.

Racks Required – Clarification

One existing rack will be provided in the Computer Room, vendors will be required to provide the following racks: A more detailed explanation is included in the **Questions** section.

- 3 – 2 Post Racks (2 First Floor IDF, 1 Second Floor IDF)
- 1 – 4 Post Rack Enclosed (Building One)

Fiber Backbone and Cat 6 Horizontal Cable – Clarification

Some vendors are asking about fiber to the desktop. There is no requirement for fiber to the desktop as vendors have been asked to run Cat 6 copper to the desktop. The only fiber requirement is for the fiber backbone.

Complete Bids

Vendors are required to submit complete bids, errors and omissions will not constitute justification for a change order. The term “drop” includes any and all components, testing, labor, labeling, etc. that is required for a complete job and AMP NETCONNECT 25-Year System Warranty. A revised **Attachment F** is included at the end of this document to assist with your proposal.

Questions

Question #1:

Attachment A, 13.0 Addendums Line item- 13.1 refers to 2'x4' drop ceiling
What type of drop ceiling do we need to supply?

Is low voltage contractor to provide and install lighting in the West hall area between receptionist's desk and West exterior door? And if so, what type?

Proposals are to include the complete (standard flat lay-in) ceiling solution including new fluorescent lighting.

Question #2:

Regarding the pricing Attachment F, are these to be unit prices?

The Attachment F has been revised and posted on the website with the RFI responses. Both the unit price and price per unit are required.

Tom Cylkowski

There is a contradiction in Chapter 1.0 Introduction Section 1.1 (Purpose) 3rd Paragraph at the beginning where the RFP calls for a **single manufacturer solution**. On the contrary in Chapter 4.0 (Backbone Subsystem) Section 4.1, 2nd Paragraph and Section 4.3 the RFP calls for **Corning** cable to be install in **AMP** Enclosures. This also creates a conflict for the 25-year Manufacturer warranty, since neither one of the vendors will certify the combination. Is it possible to use one **manufacturer solution** for Intra, Inter-building back bone and other for Horizontal?

At the time the Telecommunication Fiber and Cabling System Technical Specification was developed, there was not an AMP product available that provided the requirements desired. AMP does not normally produce a hybrid cable as detailed in the specification. AMP proposals should include the following two individual fibers:

<i>4 fiber single mode plenum</i>	<i>0-1664031-6</i>
<i>8 fiber 50 micron multi mode plenum</i>	<i>2-1664045-1</i>

The following fibers can be substituted:

<i>6 fiber single mode plenum</i>	<i>0-1664037-6</i>
<i>12 fiber 50 micron multi mode plenum</i>	<i>2-1664051-1</i>

Other Single Manufacture Solutions should include appropriate equivalent fibers.

In Chapter 1.0 Introduction Section 1.1 (Purpose) 4th Paragraph sets up the goal of creating a " State-of-the-Art- Network Infrastructure capable of supporting the fastest networking electronics currently available" and reach the speed of 10GPS to desk top in the future. In order to reach this goal the Backbone Cable used; needs to be at least 10 times faster than the Horizontal Cable by standard. In the Intra-Building and Inter-Building fiber backbone Chapter 4.0 (Backbone Subsystem) Section 4.1, 2nd and 3rd Paragraphs, the RFP is calling for fiber that supports 10 GPS only for 82m (240 feet) and is not suitable to support 10 GSP to desk top. I suggest using AMP XG300 or Corning Xcele300 Fibers for Backbone and Horizontal solutions. Can we quote cabling that supports the mentioned solution?

All requirements for Horizontal or fiber to the desk top have been removed. See response to question 1 above for fiber requirements.

In order to simplify the proposal; is it possible to use independent cables with in the same innerduct (i.e. 2 strand SM and 4 Strand MM in different jackets), instead of using Hybrid cable (2SM/4MM with in the same jacket)? Is this possible for fiber backbone as well?

All requirements for Horizontal or fiber to the desk top have been removed. Fibers may share innerduct with other fiber optic cables where appropriate.

In the area where you want us to install the new T-bar, are we installing it under the old or does the old need to be demolished?

Existing ceiling can be left in place or removed.

Do you have a specific light requirement going in the new T-bar area?

Proposal should include your recommendation. The quantity of fluorescent lights and square footage of ceiling should be detailed in Attachment F.

Is this a prevailing wage job?

The project is publicly funded. It is the contractor's responsibility to follow all appropriate Federal and State laws and requirements.

Are bonds required for this project?

There are no bonding requirements for this project.

Is innerduct required for the Horizontal fiber?

All requirements for Horizontal or fiber to the desk top have been removed. See Section 4.2 of Attachment A for innerduct requirements.

Do you have a layout for each IDF / MDF? If not, how many racks are required for each IDF / MDF and how much ladder racking is required?

There are four closets included in the installation:

- The MDF or Main-Cross-connect is located in the room labeled "Computer Services" on the drawing included in the Telecommunications Fiber and Cabling System Technical Specifications. As stated in item 5, there is an existing closed cabinet which will be utilized for new cabling. There are a total of 3 cabinets in this location, each contractor is responsible to determine the actually ladder rack that will be required.*
- The first floor IDF is new. Two racks as defined in item 5.1 with appropriate vertical and horizontal wire managers will be required. Each contractor is responsible to determine the actually ladder rack that will be required.*

- *The second floor IDF is existing. One rack as defined in item 5.1 Equipment Rack with appropriate vertical and horizontal wire managers will be required. Each contractor is responsible to determine the actually ladder rack that will be required.*
- *The out-building IDF is new. One Equipment Cabinet as defined in item 5.1 Equipment Cabinet with appropriate vertical and horizontal wire managers will be required. Each contractor is responsible to determine the actually ladder rack that will be required.*

Where is the Main Cross-connect?

See response above.

Arica Simpson [aricas@pinnacleinc.com]

1. The specification (section 13.2) discusses Herman Tyton raceway, however, there was no discussion in the job walk. I observed that the front portion of the building is all hard lid, both in the halls and in the offices off the hall. At total of approximately 150 drops are detailed in the hard lid areas. How many of these will require Herman Tyton raceway, and what is the approximate distance to each of these locations? As you know, these areas were not walked during the job walk and this information was not available.

The original portion of the building which is located on the north side of the building facing 3rd street is almost all hard lid and the walls are wood studs. Contractors in the past have not been able to fish walls in this portion of the building. Contractors should assume that raceway will be needed for most or all of this portion of the building. The requirement for each outlet could be as much as 20 feet per drop. It is the contractors responsibility to determine the actual footage required and no change order will be allowed for more raceway.

2. The specification (section 13.3) discusses access points. I see that access points are included in the hardware that was already purchased. Is it correct to assume that the access points have already been purchased and that it will be expected that the cabling contractor complete the installation?

Access points were included in the Cisco purchase and do not need to be included in contractor's proposals. Contractors will be responsible to include completed Cat 6 drops in approximately three locations for access points. These drops should be terminated, labeled, and tested.

3. Attachment F lists Cat 6 patch cords, however, no fiber patch cords are detailed in the specification. Are fiber patch cords to be included in this proposal?

The Telecommunications Fiber and Cabling System Technical Specifications Section 6.0 specifies a 4' and 12' patch cord for each Cat 6 drop and two 2-meter duplex for each fiber backbone cable.

4. The 2nd floor plan details a small office which was verbally described as being in the SW portion of the property. There are only 12 data drops detailed. Is it the intent to provide only enough patch panel ports for the number listed, or should additional ports be added on patch

panels to facilitate additional drops? Should a 12 port cat6 patch panel with standoff bracket or 24 port rack mountable patch panel be used in this building?

A 24 port rack mounted patch panel with the same attributes as the 48 port patch panel described in section 3.3.1 of the Telecommunications Fiber and Cabling System Technical Specifications can be used. AMP part number 1375014-1 or equivalent as described in the RFP can be used.

A minimum of 24 unused patch panel ports should be included for each of the closets, both IDF and MDF with the exception of the out-building which is discussed above.

5. The cabling mining project was described as all Cat 5e cable being removed after the installation is complete. Is the total number of drops to be mined similar or higher than the number of new Cat 6 drops detailed?

The number of cables to be mined is estimated to be higher than the number of new drops, however, it is each contractor's responsibility to make this determination and include the appropriate labor to complete the cabling mining project.

6. New IDF closets are being established and all (?) network equipment is being replaced. Will both closets (new and old) be functional at the same time to allow old jacks to be removed from wall plates and users to be moved to the new network at the time the drops are installed? If not, do walls need to be re-fished and new cut-in boxes added to allow both the new and old face plates to co-exist at each location? If yes, when the old cat5e drop is removed and the jack is removed from the plate, is the contractor responsible to provide and install blank inserts, and if so what brand and color are the inserts to be?

All switch ports will be replaced and most other network equipment will be replaced. It will be necessary to keep the existing network cabling functional during the complete installation of the new Cat 6 cabling. It will be the contractor's responsibility to determine the most effective way to keep the old cat5e drop active, as well as the new Cat 6 drop. In some cases, it may be necessary to re-fish walls and install cut-in boxes to accomplish this, this will be up to the contractor to determine. It will be the responsibility of the contractor to provide and install blanks in face plates where the cable has been mined and the jack removed. Most of the installed data jacks are either AMP or Panduit.

David Alldredge
AMP Netconnect

1a: *It is our recommendation, for the County's best interest, that a Bid Bond be required for this project. A typical requirement is 10% of project bid amount. Reputable contractors are bondable and very familiar with the process. Please advise.*

Bids will only be considered from reputable contractors which have references included in their proposals. No bid bond is required.

1b: *It is also our recommendation that a total project price be required by each RFP responder. This will assist the county in evaluation and will provide a bid figure with which to value the bond. Additionally, full completion of pricing sheet Attachment F does not include all items required to complete the project.*

The intent of the RFP is to generate very thorough proposals for completion of all of the work discussed in the RFP and in the pre-bid meeting. The proposals **will not be considered** if they do not include a complete price for the total project. Schedule F will be used by the County to assist in the evaluation and comparison of the various proposals and in no way should be considered a complete proposal.

2: Is the county offering special consideration to California Certified Small Businesses?

As stated in the RFP and in the pre-bid meeting. Pricing will not be the only consideration. Please include any documentation in your proposal that you feel will qualify your company and your proposal.

3: Is the county offering special consideration to contractors headquartered in San Bernardino County?

The department will follow County policy with regards to this matter.

4: Can the bidder's conference attendees anticipate receiving a copy of those attending the conference?

The pre-bid sign in sheets will be scanned and posted on the website along with all responses to RFI questions.

5: When public funds are utilized, prevailing wage rates are typically required. Please confirm?

The project will be publicly funded. It is the contractor's responsibility to follow all federal and state requirements.

6: Actual work hours to be determined by the contractor. Please confirm?

This question was discussed and answered in the pre-bid meeting. Regular work hours are Monday through Friday between 7:00 am and 6:00 pm. Drilling and other tasks that disturb regular business, blocking paths of egress and ingress, and opening ceilings can not be completed in regular business hours. Terminating wall plates and closets, labeling, testing and other tasks that will not disturb regular business can be completed during regular business hours. With these considerations, the successful contractor will be required to negotiate access with the county's representative.

7: Are subsequent site visits possible as long as an appointment is made with the County representative?

Yes, however, no questions are to be directed to or will be answered by the County representative during a site visit. No questions will be accepted through the RFI process

after the published deadline for submission of questions which is Friday, February 27, 2004.

8: *We are still confused regarding the pricing sheet (Attachment F)*

Attachment F has generated several questions a revised Attachment F is available on the website. The revised Attachment F includes the unit cost and number of units for each item detailed. The purpose of the attachment is to allow the County to compare the proposals and to establish the cost of items that may be added or removed from the scope of work.

- A) Cat 6 plenum drops – term drops is not universally defined. Does this mean “horizontal cable runs” or “workstation outlets”? The term drop is defined to include everything from the back of the patch panel to and including the wall plate and jack. The “drop” must include materials, labor, testing, labeling, and any other necessary items that may be required by the manufacturer to qualify the “drop” for a manufacturer’s warranty as defined in item 11.2 of the Telecommunications Fiber and Cabling System Technical Specification dated September 2002.*
- B) Cat 6 plenum drops – several of the components required to complete a horizontal cable run are listed independently on the pricing sheet: patch panels, faceplates, jacks, patch cords. How do we break out the pricing for you? Cat 6 plenum drops are defined above in question 8a, other items i.e. patch panels, faceplates, etc. are listed by part number in the Telecommunications Fiber and Cabling System Technical Specification dated September 2002 and no other detail should be needed to complete your complete proposal or Attachment F. Additional items or explanation can be added to Attachment F if a contractor feels that this is necessary to clarify or quantify their response.*
- C) Square footage of drop ceiling – are you looking for a price per square foot or a total system installed price? Each contractor is required to include a complete solution for the hall which was walked during the pre-bid meeting.*
- D) 2’ x 4’ fluorescent lighting – it is our recommendation that a quantity of 8 fixtures be installed in the new drop ceiling area. Please confirm. Please include your recommendations in your proposal. The number of lights is to be detailed in Attachment F.*
- E) Vertical management – on open racks to be the entire height of the rack on both sides? Yes.*
- F) Horizontal management – industry standard practices dictate a horizontal management panel for each Category 6 patch panel installed. Is this the case for this project? This would be considered the minimum requirement, please include your recommendations in your proposal.*
- G) Raceway – how is the bidder to estimate the number of horizontal cable runs that require the installation of surface mount raceway? This question was addressed by another contractor and answered in the RFI responses.*

9: *Are we to assume all cabling pathways in place with the only exception being the one (1) coring requirement between the two building areas?*

The area mentioned was discussed during the pre-bid meeting. It is possible that additional cores may be needed. Each contractor is responsible to design and establish the appropriate pathways for cable and fiber. Each contractor is responsible to make this determination and include the appropriate costs in their proposal.

10: *Are some horizontal cable runs originating from the new MDF?*

Each IDF and the MDF will be required to support some portion of the cable based on the size of the building and cable length limits. It is each contractor's responsibility to complete a design and installation that meets the requirements of the Telecommunications Fiber and Cabling System Technical Specification.

11: *Which is the training room?*

The room the pre-bid meeting was held in is occasionally used for training. The room is labeled "PWG Conference Room"

12: *How many?*

- A. Flood control workstations require the fiber to the desk? This requirement has been dropped from the project. There will be no fiber to the desk top.*
- B. Transportation engineer workstations require fiber to the desk? This requirement has been dropped from the project. There will be no fiber to the desk top.*
- C. Modular furniture workstations require the Flexmode plate? Please see response to item 7 above.*
- D. Existing outside plant fibers need to be terminated tested and certified? This was discussed in the question and answer session during the pre-bid meeting, the fiber to the existing out-building will be re-used and should not be included in contractor's proposals.*
- E. Existing Category 5 horizontal cable runs need to be removed? Please see response to item 7 above. It is each contractor's responsibility to make this determination. After completion of new data cabling the contractor will be responsible to remove all unused data cabling. No voice cabling shall be removed. Data cabling in areas of the second floor that are not scheduled to be re-cabled are not to be removed.*

13: *Regarding the existing fiber cable that requires termination and testing, are the required rack, fiber optic enclosure, and fiber connector panel already in place?*

See item 12d above.

14: *Are we to assume that the 4" conduit requirement for the new MDF and each IDF, as indicated in Attachment A, page 16 section 5.0, is part of this project?*

No. As discussed in the pre-bid meeting, cable mining will not be conducted until after the new installation is completed. Do not assume that there will be cable paths available.

15: Attachment A, page 7-8, Training Room Outlets, indicates requirements of 2-port and 4-port faceplates. However, the only indication of requiring more than a 2-port faceplate in the entire document is the 3-Category 6 horizontal cabling runs in the training room for the wireless access point. Please advise.

The Telecommunications Fiber and Cabling System Technical Specification outlines the installation specifications. If 2-port face plates will satisfy the needs of an individual work station then a 2-port plate would be appropriate, if a 2-port face plate will not satisfy the needs of an individual work station due to the fact that more ports are required, then use a 4-port plate. It is each contractor's responsibility to design a solution that will work. Please see response to item 7 above.

16: Attachment A, page 11, Horizontal Copper Data Cross-connect, paragraph 3.3.1 indicates a 4-foot category 6 patch cord and a 12-foot category 6 patch cord for each Cat 6 data drop installed. Additional, page 18, Work Area and Cross Connect Cable Assemblies indicates on 4-foot cord for each network drop, and the pricing sheet, Attachment F, requests pricing on 5-foot and 10-foot Category 6 patch cords. Please advise how many of which configuration is required.

This item has been corrected in the new Attachment F. 4 and 12 foot patch cords should be included.

17: Attachment A, page 18, Work Area and Cross Connect Cable Assemblies, indicates the requirement for one 2-meter and one 3-meter duplex patch cord for each data circuit. Does "data circuit" mean the fiber to the desk horizontal runs?

No fiber to the desk top will be required and accordingly no fiber patch cords will be required for fiber to the desk top locations.

18: Attachment A, page 18. Work Area and Cross Connect Cable Assemblies, indicates two 2-meter duplex fiber patch cords for each backbone fiber. Is this for each fiber strand, fiber strand pair, or fiber cable?

Fiber cable.

19: During the bidder's conference, the County representative stated the RFP responders are to provide and additional price for 20 Category 6 drops. What are the elements that comprise the Category 6 drop?

Asked and answered in question 8A.

Mel Nowlin
Director of Sales
Responsive Internet Systems

What is the estimated value of RFP No. DPW03-03 ? We are trying to decide if this project would be a good fit for our company.

Bids should come in under \$75,000.

Daniel T. Greenwood
Vice President
The Ryan Company

1. The Cisco equipment list that was handed out **does not** appear to include any racks. It was stated in the pre-bid meeting that racks **did not** have to be supplied as part of this bid. It was also stated that cable mining would need to be completed after the new installation was completed.

Unless racks were supplied under some other contract, it appears that there will not be racks included in any of the closets other than the MDF cabinet. Please clarify.

*The racks **do** have to be included in the proposal and cable mining is to be completed after the installation. The rack requirements for each closet are as follows:*

- The MDF or Main-Cross-connect is located in the room labeled "Computer Services" on the drawing included in the Telecommunications Fiber and Cabling System Technical Specifications. As stated in item 5, there is an existing closed cabinet which will be utilized for new cabling.*
- The first floor IDF is new. Two racks as defined in item 5.1 with appropriate vertical and horizontal wire managers will be required.*
- The second floor IDF is existing. One rack as defined in item 5.1 Equipment Rack with appropriate vertical and horizontal wire managers will be required.*
- The out-building IDF is new. One Equipment Cabinet as defined in item 5.1 Equipment Cabinet with appropriate vertical and horizontal wire managers will be required.*

2. In attachment A, section 5.0 there are a total of 5 closets detailed, however, the equipment detailed in the Cisco equipment list would indicate that a total of four closets will be utilized. Will there be a total of 4 or 5 closets? I assume the existing closet in the hall of the first floor will be abandoned.

The existing first floor IDF will be abandoned making the total closets 4. Please see response above for configuration of four closets.

3. Are there ground buss bars in the existing MDF and IDF.

The existing closets do not have adequate grounding. Each contractor should include the complete grounding solutions to comply with Item 9.1 of the

*Telecommunications Fiber and Cabling System Technical Specifications.
The solution should include new grounding in each of the four closets which includes new buss bars.*

4. Attachment A, section 11.3 states hourly rate for one year. Should this rate include standard drop materials?

The hourly rate should include normal installation materials to complete a data drop. These materials will include cable, data jacks, wall plates, and miscellaneous materials. Items that should not be included in the hourly rate should include patch panels, racks, wire managers, etc.

5. How many unused ports do you want on patch panels in each closet?

The MDF and 2 IDF's in the main building should have no less than 24 unused ports on the patch panel. The patch panel in the out-building should no fewer than 12 unused ports.

6. How many horizontal wire managers should be included in the proposal.

Each rack in each IDF should have one more 2u wire manager than the total number of patch panels. A horizontal wire manager is to be installed above, between, and below all patch panels.

**Paul Sheppard, RCDD
Vice President of Client Services
ACCENT COMPUTER SOLUTIONS, INC.**

Question #1:

Approximately how many feet of Hellermann/Tyton cable raceway should we bid for? If all of the contractors bid for different footages all of the bids will be hard to compare.

Question asked by another contractor and answered.

Question #2:

The raceway has a divider down the middle. Are you using this for electrical along with the data cabling?

There is no plan now or in the future to add electrical to the raceway.

Question #3:

Do you need innerduct for the horizontal run station fiber?

Horizontal fiber has been eliminated from the project.

Question #4:

What brand of Modular furniture will be installed and how many workstations (faceplates) will be needed?

Question asked by another contractor and answered. An additional job walk is being scheduled and posted. Each contractor can make this determination for themselves during this job walk.

Question #5:

On page 10 of the Technical Specifications manual, paragraph 3.2.2 it says, "Where consolidation points are specified, they shall be in accessible locations and housed in an enclosure intended and suitable for the purpose". The only consolidation points that are specified are the MC and 3 new TC rooms, which specify open racks, not enclosures. Can you clarify or specify where there is other consolidation points?

There are no other consolidation points required. Questions regarding racks and enclosures asked by other contractor and answered.

Question #6:

The floor plan we received doesn't show where the three new TC's will be located. To give an accurate quote on cable lengths we need to know where the cable and fiber will be run to. Also we need to know on the floor plan where the MDF is located.

Question asked by another contractor and answered. The MDF will be located in the room labeled "Computer Services" the first floor IDF is labeled "Proposed Network Closet" and the 2nd floor IDF is the small rectangle inside the block labeled "Conference Room". The out-building is to the left of the "12".

Question #7:

Page 16, paragraph 5.0: We need to know how much ladder racking is needed for the MC and the TC's. It is impossible to bid without knowing the room dimensions for the proper seismic bracing. Also how many racks are needed per TC?

Question asked by another contractor and answered.

Question #8:

Page 16, paragraph 5.0: "Conduits shall be 4" in diameter". These conduits for the data backbone that are being installed adjacent to the racks, are these just short sleeves to the ceiling area or homerun conduits from each TC back to the MC?

Short sleeves. This question was asked by another contractor and answered in more detail.

Question #9:

What voltage are the 2'x4' florescent lights that are to be installed in the new drop ceiling?

These are standard lights are standard 110 volts. The contractor is responsible for the ceiling and the lights.

Question #10:

Can we get a more detailed scope of work for the installation of the wireless bridges?

These are standard lights are standard 110 volts. The contractor is responsible for the ceiling and the lights.

Question #11:

Is there existing cable raceway in the existing drop ceiling areas that can re-used for the new cabling and fiber or do we need to provide cable hangars?

There are no existing raceways. New cables must be installed prior to old cables being removed (mined out). Contractors responsible for installing new stringers each 4 to 5 feet and providing the necessary j-hooks or other supports.

Question #12:

At the job walk we were all given a list of Cisco and related network equipment with quantities and pricing on it and we are wondering why? There doesn't seem to be any network electronics to be supplied or installed in the scope of work for this project.

The handout was for information only. There are no requirements to install this equipment.

Question #13:

Could we get a clarification on the following work that can be done during regular hours and work that can only be done during evening hours or weekends?

Horizontal cabling?

Backbone cabling?

Backbone Fiber?

MC & TC racks and raceway hardware?

Drop ceiling grid and tiles?

Fluorescent lights?

Question asked by another contractor and answered.

Question #14:

When will the RFI questions be posted on your website and where will the answers be posted on the website?

This question is addressed in the Request for Proposal and in pre-bid meeting. See page 4 item II Proposal Timeline in the Request for Proposal for timeline.

Greg Swift

Estimator

Irish Communication Company

Revised Attachment F
2/27/2004

CAT 6 PLENUM DROPS *	CAT 6 48 PORT PATCH PANEL	CAT 6 24 PORT PATCH PANEL	SQUARE FOOTAGE OF DROP CEILING	2'X4' FLUORESCENT LIGHTING	VERTICAL WIRE MANAGEMENT	HORIZONTAL WIRE MANAGEMENT	12 CAT 6 PATCH CORDS
UNIT							
COST							

4' CAT 6 PATCH CORDS	RACEWAY	CAT 6 JACKS	2-PORT FACEPLATES	4-PORT FACEPLATES	BUSS BARS	EQUIPMENT RACKS
UNIT		n/a	n/a	n/a		
COST						

* The term Cat 6 plenum drop is defined to include everything from the back of the patch panel (patch panel not included) to and including the wall plate and jack. This will be for a single cable and jack per drop regardless of how many jacks are installed in a faceplate.

Note: The unit quantity should agree with the total number of units for each item in your proposal for the complete installation. These numbers will be used to compare proposal by the County of San Bernardino

FIBER OPTIC CABLING SERVICES

PROPOSAL CONFERENCE DPW03-03

HEARING ROOM 124

10:00 AM

VENDOR SIGN IN SHEET

FIRM	REPRESENTATIVE	PHONE NUMBER
Accent	Paul Sheppard	909 481-4368
PROCOM	CHUCK GALLAND	909 941-1957
Accent	Roger Tibbets	909 481-4368
LANCAB	Yafa Boyer-Jorge dmas	714 257-1416
Kirchoff Comm, Inc.	George Barrell	760-947-9923
Lomac	John Lockwood	760 245-6493
NIC	MANUEL VALENZUELA	949-753-7551
Micom	Dave O'Keefe	909 601-0804
FA Responsive Internet	Mel Nowlin	760-240-3308 x109
AMI Electrical & Telecom	Chris Watts	714-758-0120
PINNACLE	JOSE AGUIRRE	818.241-6009 X247
Quality Teleseminars	Scott Dalton	909-912-3333
LAURENCE CARLO Spain	CONNY REUTSEN	310-328-4689
GABRIEL		
WIARENET Communications	Gabriel Areola	909-986-3290
Irish Communications	Greg Swift	760-761-0921
URI BEN	NIC	909 415 8304
Cable, Inc.	JEFF MORELL	909-355-4300

FIBER OPTIC CABLING SERVICES

PROPOSAL CONFERENCE DPW03-03

HEARING ROOM 124

10:00 AM

VENDOR SIGN IN SHEET

FIRM	REPRESENTATIVE	PHONE NUMBER
BRIGGS DATAcom	DARREN SARRAZIN	949-622-0266
BLACK BOX	DAE CARBINE	909-476-4426
PAUL EISENBERG	NIC	909-520-9373
HCI, Inc.	Michael Provitera	909-520-4200
Redrock Cabling	Floyd Rouse	(949) 707-4136
Volt Telecom	KEVIN MOY	(909) 520 8618
DIGITAL	RON HALL	(909) 245-6933
DIGITAL	BRETT WILKOFF	818-951-8810
VOLT	MARE YOUNG	800-548-6602
JFI BRYANT	AARON SMITH	310 532-1840
Express Cable Communication	Vince Caserio	760-775-3244
NEW AGE Communications	CURT THIEDE	800 696-8956
Netherent	Michael Webb	(714) 282-4551
SUNGLASS TECHNOLOGIES	JASON CHILDS	709-373-0910
GRAYBAR	JEAN RAYMOND	909 453 4187
SPECTRUM	Tim McGuire	909 371 0549
AMP	David Alldredge	949-280-3527
AMP	Jim Schwartz	" "